

CONTRACT REQUESTS FORM (CRF)

CEC-94 (07/10)

CALIFORNIA ENERGY COMMISSION



☒ New Contract ☐ Amendment to Existing Contract: _____ Amendment Number: _____

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	Guido Franco	47	654-3940	12/3/1997

Contractor's Legal Name	Federal ID Number
The Regents of the University of California, Scripps Institution of Oceanography	95-6006144

Title of Project
Climate Monitoring, Analysis, and Modeling - Phase V

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2011	12/16/2013	\$ 1,200,000.00

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount

Business Meeting Information

Proposed Business Meeting Date	5/18/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Guido Franco	Time Needed:	5 minutes

Agenda Item Subject and Description

Possible approval of Contract 500-10-041 with Scripps Institution of Oceanography - The Regents of the University of California, San Diego, for \$1,200,000.00 to improve meteorological and hydrologic models used to forecast how climate change would impact energy demand and hydropower generation; improve current climatic monitoring of important factors that affect hydropower generation, investigate the utility of seasonal forecasts as well as improve the models used to make climate change forecasts. (PIER electricity funding) Contract: Guido Franco (5 minutes)

Business Meeting approval is not required for the following types of contracts: *Executive Director's signature is required in all cases.*

- ☐ Contracts less than \$10k (*Policy Committee's signature is also required*)
- ☐ Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- ☐ Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

Purpose of Contract or Purpose of Amendment, if applicable

The purpose of this Interagency Agreement is to investigate the physical factors that may change energy generation and/or demand and to develop new climate scenarios for California.

The research team will perform the following tasks: 1) Improve the measurement of current climate conditions in California by adding snow, soil moisture, and radiation sensors to existing meteorological stations installed with prior Public Interest Energy Research (PIER) funding; 2) Archive historical climate data for California and making the data sets available to the research community, governmental agencies, utilities, and other entities; 3) Improve models used to downscale the results from global climate models to the California region and develop a new set of "probabilistic" climate projections using the results from the Earth System Models being released for the next Intergovernmental Panel on Climate Change (IPCC) Assessment Report; 4) Investigate potential sources of error in meteorological and hydrologic models used to forecast how climate change would impact energy demand and hydropower generation; and 4) Develop probabilistic near-term and seasonal forecasts and, with the working Demand Forecast Office, test their usability.



California Environmental Quality Act (CEQA) Compliance

1. Is Contract considered a "Project" under CEQA?
☐ Yes: skip to question 2
☒ No: complete the following (PRC 21065 and 14 CCR 15378):
 Explain why contract is not considered a "Project":
 Contract will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because Contract will not cause a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because contract involves hydrological and meteorological data gathering, installation of small monitoring stations which do not involve drilling in or altering of physical environment, and computer-based modeling and analyses and archival activities.
-
2. If contract is considered a "Project" under CEQA:
☐ a) Contract **IS** exempt. (Draft NOE required)
☐ Statutory Exemption. List PRC and/or CCR section number: _____
☐ Categorical Exemption. List CCR section number: _____
☐ Common Sense Exemption. 14 CCR 15061 (b) (3)
 Explain reason why contract is exempt under the above section:
-
- ☐ b) Contract **IS NOT** exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.

Budgets Information

Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$	10-11	\$1,200,000	Yes	PIER-E	09-10	501.027	\$1,200,000
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$1,200,000		\$					\$
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$1,200,000	TOTAL:	\$1,200,000		TOTAL: \$1,200,000			
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Elizabeth Meier	Name:	Dan Cayan
Address:	9500 Gilman Dr Mailcode 0210	Address:	9500 Gilman Dr
City, State, Zip:	La Jolla, CA 92093-0210	City, State, Zip:	La Jolla, CA 92093-0224
Phone/ Fax:	858-822-6930 / 858-534-9642	Phone/ Fax:	858-534-4507 / 858-534-5861
E-Mail:	emeier@ucsd.edu	E-Mail:	Dcayan@ucsd.edu

Contractor Is

- ☐ Private Company *(including non-profits)*
☒ CA State Agency *(including UC and CSU)*
☐ Government Entity *(i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)*

Selection Process Used
<p>1. Initial selection of 1000 participants from a large pool of potential participants.</p> <p>2. Random assignment to two groups: Experimental Group and Control Group.</p> <p>3. Pre-test administration to both groups to establish baseline scores.</p> <p>4. Experimental Group receives the intervention (e.g., a new teaching method).</p> <p>5. Control Group receives the standard intervention (e.g., traditional lecture-based learning).</p> <p>6. Post-test administration to both groups to measure the outcome variable.</p> <p>7. Comparison of pre-test and post-test scores within each group to assess individual change.</p> <p>8. Comparison of post-test scores between the Experimental Group and the Control Group to assess the overall effect of the intervention.</p> <p>9. Statistical analysis (e.g., t-test, ANOVA) to determine if the differences are statistically significant.</p> <p>10. Interpretation of results and drawing conclusions about the effectiveness of the intervention.</p>

- | | | |
|---|---------------------------------|-----------------------|
| <input type="checkbox"/> Solicitation | <u>Select Solicitation Type</u> | Solicitation #: _____ |
| <input type="checkbox"/> Non Competitive Bid <i>(Attach CEC 96)</i> | | |
| <input checked="" type="checkbox"/> Exempt | Interagency | |

Civil Service Considerations

- ☒ Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)
- ☐ Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)

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- ☐ The Services Contracted:
- ☐ are not available within civil service
 - ☐ cannot be performed satisfactorily by civil service employees
 - ☐ are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system
- ☐ The Services are of such an:
- ☐ urgent
 - ☐ temporary, or
 - ☐ occasional nature
- that the delay to implement under civil service would frustrate their very purpose.

Justification:

This Interagency Agreement is with a CA State Entity, University of California, San Diego, thus civil service considerations are not applicable.

Payment Method

- ☒ A. Reimbursement in arrears based on:
- ☐ Itemized Monthly
 - ☒ Itemized Quarterly
 - ☐ Flat Rate
 - ☐ One-time
- ☐ B. Advanced Payment
- ☐ C. Other, explain:

Retention

1. Is contract subject to retention? ☒ No ☐ Yes
- If Yes, Do you plan to release retention prior to contract termination? ☐ No ☐ Yes

Justification of Rates

The rates charged in this contract by the University of California are U.C. published rates and the overhead rates are the negotiated rates with the Energy Commission.

Disabled Veteran Business Enterprise Program (DVBE)

1. ☒ Not Applicable
2. ☐ Meets DVBE Requirements DVBE Amount:\$ _____ DVBE %: _____
- ☐ Contractor is Certified DVBE
 - ☐ Contractor is Subcontracting with a DVBE: _____
3. ☐ Requesting DVBE Exemption (attach CEC 95)

Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?

If yes, check appropriate box: ☐ SB ☐ MB ☐ DVBE

Is Contractor subcontracting any services?

	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:		
Desert Research Institute	<input checked="" type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE	
Santa Clara University	<input checked="" type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE	
Susanne Moser Research and Consulting	<input checked="" type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE	
	<input type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE	
	<input type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE	
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	<input type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE	

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**Miscellaneous Contract Information**

- | | | |
|---|--|---|
| 1. Will there be Work Authorizations? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 2. Will there be IT expenditures? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 3. Is the Contractor providing confidential information? | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| 4. Is the contractor going to purchase equipment? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| 5. Check frequency of progress reports
<input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> _____ | | |
| 6. Will a final report be required? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| 7. Is the contract, with amendments, longer than a year? If yes, why? | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |

The Department of General Services has agreed to give the Commission blanket authority to execute multi-year contracts to support the Commission's RD&D Programs.

The following items should be attached to this CRF

- | | | |
|---|------------------------------|-----------------------------------|
| 1. Scope of Work, Attach as Exhibit A. | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 2. Budget Detail, Attach as Exhibit B. | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 3. CEC 96, NCB Request | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 4. CEC 30, Survey of Prior Work | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 5. CEC 95, DVBE Exemption Request | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 6. Draft CEQA Notice of Exemption (NOE) | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 7. Resumes | <input type="checkbox"/> N/A | <input type="checkbox"/> Attached |

Contract Manager_____
Date_____
Office Manager_____
Date_____
Deputy Director_____
Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting.
See Business Meeting Information Section.

Presiding Policy Committee_____
Date_____
Associate Policy Committee_____
Date_____
Executive Director_____
Date